**AMENDMENT**

1. (Currently Amended) ~~An anti-fouling~~ A composition comprising

(i) a surface coating material;

(ii) ~~an enzyme obtained or obtainable from a marine organism; and~~ a first substrate;

(iii) a first enzyme;

~~(a) a substrate for the enzyme; and/or~~

~~(b) a precursor enzyme and a precursor substrate, wherein the precursor enzyme and the precursor substrate are selected such that a substrate for the enzyme is generatable by action of the precursor enzyme on the precursor substrate;~~

(iv) a second enzyme from a marine organism;

wherein the first substrate and the first enzyme react to generate a second substrate upon which the second enzyme acts, whereby ~~wherein the enzyme and the substrate are selected such that~~ an anti-foulant compound is generated ~~generatable by action of the enzyme on the substrate~~.

2. (Currently Amended) A composition according to claim 1 wherein the second enzyme is ~~obtained or is obtainable~~ from a marine ~~alga~~ algae.

3. (Currently Amended) A composition according to claim 1 wherein the second enzyme is ~~obtained or is obtainable~~ from C*hondrus cripus*.

4. (Currently Amended) A composition according to claim 1 wherein the second enzyme is hexose oxidase.

5. (Cancelled) ~~A composition according to claim 4~~ claim 1 ~~wherein the hexose oxidase~~ second ~~enzyme comprises the amino acid sequence set out in SEQ ID No. 1 or a variant, homologue, derivative or fragment thereof having at least 75% homology with SEQ ID No. 1.~~

6. (Currently Amended) A composition according to claim 1 wherein the second substrate is a sugar.

7. (Original) A composition according to claim 6 wherein the sugar is glucose.

8. (Cancelled) ~~A composition according to claim 1 wherein the composition comprises a precursor enzyme and a precursor substrate, wherein the precursor enzyme and the precursor substrate are selected such that the precursor substrate generates a substrate for the enzyme by action of the precursor enzyme on the precursor substrate.~~

9. (Currently Amended) A composition according to ~~claim 8~~ claim 1 wherein the ~~precursor~~ first enzyme is amyloglucosidase.

10. (Currently Amended) A composition according to ~~claim 8~~ claim 1 wherein the ~~precursor~~ first substrate is starch.

11. (Currently Amended) A composition according to claim 1 wherein the composition further comprises a binder to immobilise at least one of the constituents of the composition~~, preferably to immobilise the enzyme~~.

12. (Original) A coating consisting of a composition according to claim 1.

13. (Original) A coating according to claim 12 formulated for treatment of a surface selected from outdoor wood work, external surface of a central heating system, and a hull of a marine vessel.

14 (Currently Amended) A marine ~~anti-foul~~ anti-foulant consisting of a composition according to claim 1.

15. (Currently Amended) A marine ~~anti-foul~~ anti-foulant according to claim 14 wherein the anti-foulant is self-polishable.

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (New) A composition comprising

(i) a surface coating material;

(ii) a first substrate;

(iii) amyloglucosidase as a first enzyme;

(iv) hexose oxidase as a second enzyme;

wherein the first substrate and the first enzyme react to generate a second substrate upon which the second enzyme acts, whereby an anti-foulant compound is generated.

31. (New) The composition of claim 30, wherein the hexose oxidase is from a marine organism.

32. (New) The composition of claim 31, wherein the hexose oxidase is from *Chondrus cripus*.

33. (New) The composition of claim 30, wherein the hexose oxidase enzyme comprises the amino acid sequence set out in SEQ ID NO: 1.

34. (New) The composition of claim 30, wherein the second substrate is a sugar.

35. (New) The composition of claim 34, wherein the sugar is glucose.

36. (New) The composition of claim 30, wherein the first substrate is starch.